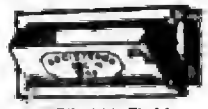
VENTILATION—PURE AIR.

Sheringham's Ventilator, for the admission of pure air through an



EXTERNAL WALL.

With single pulley, from 3s. 6d.; with leading pulley, from 5s. 6d.

These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—HAYWARD, BROTHERS, 20, Manchester-street, 108, Blackfriars-road, and 137, Oxford-street, Borough; and of all respectable Ironmongers, Builders, &c.

A PRIZE MEDAL for SUPERIOR LOCKS was awarded to J. M. HOBBS & CO. at the Great Exhibition of 1851.

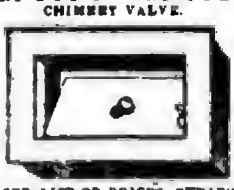
REGISTERED VENETIAN VENTILATOR.

For admission of external air or carrying off impure air from rooms, from 6s. 6d. each.—Class 28, Great Exhibition.

J. H. BEHRENS and SON, Ironmongery, Brass Founders, Nail and Tool Warehouse, 14, Stanhope-street, Clare-market, London. Established nearly 70 years for the sale of goods from the best manufactories at the lowest prices.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

With internal action, and all the latest improvements



Constructed for the ventilation of apartments generally.

REDUCED LIST OF PRICES—SUBJECT TO THE TRADE DISCOUNT.

	First size, 11 by 8	Second size, 13 by 9
Plain Iron Valve	£ 5 0	£ 6 0
Bronzed and Leathered	7 0	10 0
Japanned, white with Gold lines	11 6	14 0
Ditto with Trellis-work	17 0	25 0
Brass Front, lacqd. or bronzed	18 0	19 6
Ditto with Trellis work	25 0	27 0

Ventilators of any description made to order.

Manufactured by HART and SONS, 65, 54, 53, Wych-street, Strand, London.—Post-office orders payable at 281, Strand.

NOIRSAIN'S VENTILATING GRATES and STOVES.—A long search for desideratum at last obtained. Great Economy in Fuel,—entire Prevention of Smoking in Chimneys—and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be applied to any fire-place.

The Invention solved the attention of the public and scientific men to the patent apparatus,—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 131, REGENT-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. R. KIDD, Agent.

TOZER'S PATENT VENTILATING GAS STOVE, for halls, shops, offices, &c., price 30s. This stove is constructed on the principle of ventilation, combined with economy, the consumption of gas being only 3d. for twelve hours. The absence of all smoke and dust particularly recommends it for the use of libraries or wherever warmth is required. Also TOZER'S PATENT SUN STOVE, to burn coke, suitable for village churches, &c.—T. TOZER, Ironmonger and Manufacturer, 35, Dean street, Soho.

CUNDY'S PATENT STOVE, for Heating Churches, Institutions, &c.—The owner no longer requires its use. Class 30 (4 inch according to size, with its appendages, for 7l., original cost last winter was 15l.—Apply at 4, Swan-buildings, Upper street, Islington.

NOTICE.—The Albion Ironfoundry Stove Grate Show Rooms, Aston road, Birmingham, now open, exhibit assortments of the most unique and splendid designs of ornamental register grates, suitable for public edifices, mansions, libraries for use, boudoirs, &c., including Apparatuses of the most approved construction, &c., which for price and quality cannot be excelled.—JOHN PAGE, Proprietor.

MANUFACTURERS to the TRADE of COOKING STOVES, by GAS or FUEL, either close or open, Register, Kitchen, and every description of Grate, of the best designs, including those with fire-brick ends.

Bright Stoves, for dressing-rooms.
Hot Air Stoves, for public buildings, shops, or halls, with ascending or descending flue.
Ship and Yacht Stoves, for cooking and warming.
Cranes, Jibs, &c.
Roofing and Balcony Work.
Fire and Garden Engines, and every variety of Force and Lift Pumps.
Wrought-iron FIREPROOF BOOK SAFES and Deed Boxes; also in cast iron.
Iron Bedsteads and Cots of all kinds.
Hot Water and Steam applied for heating buildings of any size and description.
ORIOU and JENKINSON, in addition to the articles enumerated, manufacture all kinds of ironwork; and as everything is executed on their own premises, under their immediate superintendence, they can offer great facilities in price, &c. They respectfully solicit a trial.
ORIOU and JENKINSON, Finsbury Iron Works, 119 and 120, Bunhill-row, London.

PRIZE MEDAL for STOVES.—The ARNOTT'S STOVES, exhibited by F. EDWARDS, were the only close stoves to which a Prize Medal was awarded. The attention of architects and others is particularly invited to the Arnott Stove as being by far the cheapest and most efficient method of warming that can be adopted. This Stove is made in upwards of forty different patterns and sizes, suitable for churches, public buildings, halls, and private apartments, &c. Prices from 3l. 3s. to 30l., and upwards. A prospectus, with full particulars, sent on application. Dr. Arnott's new plan of warming by hot water, by means of his Hot Water Stove, has most fully succeeded in the various instances in which it has been adopted, and is recommended to the Public as being truly efficient and serviceable. F. Edwards is prepared to give Estimates for the various plans of heating by hot water, hot air, or by Arnott's Stove, and be can answer for the success of any plan suggested by him, by reference to the numerous buildings where he has already put them in operation.

F. EDWARDS, General Stove and Range Manufacturer, 48, Poland-street, Oxford-street, London.

GREAT EXHIBITION.—DRAWING-ROOM GRATES and FIRE-DOGS on which the GRAND or COUNCIL MEDAL was AWARDED to J. B. BENHAM and SONS, beg to call the attention of the Nobility and Gentry to their Show Rooms, where they have arranged for their inspection Stoves and Fenders which may be justly admired for their elegant and novel designs, and which, for economy, cleanliness, and comfort, they EXTREMELY RECOMMEND. Their Show Rooms are the largest in London, and they can supply at a moment's notice any article they may require.

WARM AIR STOVES for CHURCHES, HALLS, &c., &c., simple in construction, ornamental in design, and thoroughly efficient, of various sizes and prices.

J. B. BENHAM and SONS' MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE.

PRIZE MEDAL for COOKING APPARATUS awarded to J. B. BENHAM and SONS.

The IMPROVED FAMILY RANGE will roast, boil, bake, fry, &c. &c., for a large family, with an average consumption of only 28 lbs. of coal per day. It has an open fire, is perfectly simple, and of moderate cost.

Specimens of these and other economical Ranges, and also of the most improved Kitchen Requisites, may be seen in operation at the ESTABLISHMENT and SHOW-ROOMS of J. B. BENHAM and SONS, 19, WIGMORE-STREET, CAVENDISH-SQUARE.

J. B. BENHAM and SONS' Stove, Grate, and Bath Manufactory, 1, Jerusalem-passage, Clerkenwell, Ironmongery, &c., 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 130, Shoreditch.

Improved Self-acting Cottage Ranges, (22 24 26 30 inch.
with Large Oven and Boiler ..... (20s. 22s. 25s. 34s.
Best Self-acting Ranges, with Oven and (24 26 30 42 inch.
Hark Boiler, Bright Wrought Bars ... (34s. 36s. 50s. 63s.
Strong Elliptic Stoves, with Extra Hook and Solid Bars, per inch, 8d.
Register Stoves, with Solid Bars, per inch, 8d. Best Solar ditto, with Fire Brick Back, per inch, 10d.
Bright Stoves, with Two Pirns, 30s. to 100s. each.

Cast Rain-water Pipe (2 3 4 inch.
(9d. 10d. 1s. per yard.
Cast Gutters—4 inch, 9d. per yard.
O O Gutters ..... (4 4½ inch.
(11d. 1s. per yard.
Best Cast Clasp (1½ 1¾ 2 2½ 3 inch.
and Rose (12s. 6d. 14s. 15s. 6d. 18s. 6d. 24s. per cwt.
Sheet Flooring Brads, 11d. 6d. per cwt.
4-feet Cast Leath, 12s. 6d. Cast Leath, 9s. 6d.
4 inch 3 Bolt Rd. Ward Mortice, with best Escutcheon and Patent Spindles, 2s. 9d. Light Elliptic and Register Metal, 12s. per cwt.
Hot Water Pipes, 8s. 6d. per cwt.
Dr. Arnott's Ventilators, 5s. each.
An extensive stock of bar, rod, hoop, and sheet iron.
Clark and Hunt's Improved Glass Paper.

TO BUILDERS, CARPENTERS, CABINET MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street, Finsbury-square, begs to inform the above Trades, that he has now added the business of the late Mr. WILLIAMSON to his own old-established concern, and respectfully invites an inspection of his immense stock of ironmongery, which cannot be surpassed in London, every article being of the best quality and lowest possible prices:—

Elliptic Stoves, double backs, 3½d. per inch.
Register Stoves, 5d. 6d. 6½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—
9 ft., 3l. 10s.; 3 ft. 9 in., 3l. 5s.; 3 ft., 2l. 15s.
3-feet Cottage Ranges, with ovens and back boilers, 30s. each.
3-feet self-acting ditto, ditto, 35s. each.

Air Bricks, 3s. 6d. per doz.—1-inch Cast Leath Nails, 12s. 6d. per cwt.
Best Patent Cut Clasp.

1½	1¾	2	2½	3 inch and larger
14s. 6d.	16s.	17s. 6d.	19s.	23s. per cwt.

Best Sheet Flooring Brads, 11s. 6d. per cwt.
Best Town Glue, 3½. Ditto, Scotch, 2½. per cwt.
Best Patent Sash Line.

1	2	3	4	5
4s.	5s. 6d.	7s.	8s.	10s. 6d. per gross

List of Prices had on application at the Warehouse, or by letter prepaid.

TO BUILDERS, CABINET-MAKERS, and OTHERS.

Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Fine Cut Clasp and Rose.

14s. 6d.	15s. 6d.	16s. 6d.	18s.	23s. 3d. per cwt.
1½	1¾	2	2½	3 inch.

Cross Garnet Hinges, per dozen pair.

2s. 9d.	3s. 3d.	4s. 6d.	5s. 9d.	7s. 3d.	9s. 3d.	
10	12	14	16	18	20 in.	

Best Bright Tower Bolts, per doz.

1s. 3d.	1s. 7d.	2s. 3s.	6d.	3s. 9d.	4s. 3d.	5s. 7d.
2	3	4	5	6	7	9 in.

Iron Main-water Pipe.

9d.	10d.	1s. 3d.	1s. 6d.	per yard.
2	3	4	6	inch.

Best London Glue, 40s. per cwt.
Cast Leath Nails, 10s. per cwt.
Air Bricks, 3s. 6d. per doz.
Hooping for Bond, 6l. per ton.
Sash Weights, 8s. per cwt.
TERMS—NET CASH.
A price-list may be had on application.

A. L. PFEIL and STEDALL,
Wholesale Ironmongers, Brass Foundry and Nail Warehouse,
5 and 6, Broad-street, Bloomsbury, London.
AGENTS FOR LEAN'S PATENT MORTISE LOCKS AND BOLTS.

TO BUILDERS, CARPENTERS, AND OTHERS.

BENJAMIN WALMSLEY, IRONMONGER, BRASS-FOUNDER, STOVE and RANGE MANUFACTURER, 128 and 129, LONDON-ROAD, Southwark, for the supply of builders, carpenters, cabinet-makers, upholders, blind-makers, smiths, wheelwrights, &c., at wholesale prices:—

Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Best Cut Clasp (1½ 1¾ 2 2½ 3 in.
and Rose ... (1s. 6d. 16s. 18s. 22s. 28s. per cwt.
Cast Leath 3s. 6d. per cwt.; Sash Weights, 8s. per cwt.
Sash Pulleys, 4s. per gross.
Cast Pipes, per dozen pair.—8-in., 10d.; 9½-in., 1s. 3d.; 3-in., 1s. 9d.
Iron Rain-water (3 4 6 in.
pipe ..... (9d. 10d. 1s. 1d. per yard.
Half Round (3 4 6 in.
Gutter ..... (7d. 7½d. 9½d. "
O O Gutter .... (4 4½ 5 in.
(11d. 1s. 1s. 6d. "
Air Bricks, 3s. 6d. per dozen. Hooping for Bond, 6s. 6d. per cwt.
Dr. Arnott's Ventilators, 4s. 6d. each.
3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 35s. each.
3-ft. ditto, with Wrought Bars and Bright Fittings, 50s. each.
Register Stoves, with Double Backs, 5d. per inch.
Elliptic Stoves, with Double Backs, 3½d. per inch.
Bright Register Stoves, with Two Rods of Bars, from 3l. each.
An extensive variety of Black and Bright Register Stoves kept ready for use at all periods, to which the attention of architects and builders is respectfully invited.
A large assortment of Rim, Mortice, Drawback, Iron Gate, and other kinds of Locks and Latches. An extensive stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.
Finger Plates, Levers, and Bell pulls en suite.
Bar, Hoop, Sheet and Rod Iron, and Spring Steel.
The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by saying that every trade consuming ironmongery can here select whatever they require at wholesale prices.
WALMSLEY'S, 128 and 129, LONDON-ROAD, SOUTH-WARK, six doors from the Obelisk.

TO BUILDERS, CARPENTERS, &c.

G. LEWIS, Ironmonger, Stove and Range Manufacturer, OPPOSITE ALBERT GATE KNIGHTSBRIDGE, has in stock every article for the supply of the smallest or largest job.

Best Cut Clasp.

1½	1¾	2	2½	3	3½ inch.
9	11	13	15	18	20 per cwt.

Best Flooring Brads, 11s. 6d. per cwt.
Malleable Nails, 6½. per cwt.

Tower Bolts.

1s. 6d.	1s. 9d.	2s. 6d.	3s. 6d.	3s. per dozen.
3	4	5	6	7 inch.

Best Patent Sash Line.

No.	1	2	3	4
	3s. 6d.	4s. 6d.	5s.	6s. 6d. per gross.

Dr. Arnott's Ventilators, 5s. 6d., 6s. 6d. each.
Air Bricks, 3s. 6d. per dozen. Sash Weights, 8s. 3d. per cwt.
A numerous assortment of Elliptic and Register Stoves, Kitchen Ranges, Iron and Wooden Leaths, Door Furniture in great variety, Bell Hanks, Levers, &c. Main Water Pipes, Heads, and Outlet Cocks and Brass Work and Locks in great variety.

HOT-WATER APPARATUS.—The Right Hon. EARL FITZWILLIAM, and others, respectfully recommend HART and SONS, as superior method of warming churches and chapels, halls, museums, conservatories, forcing and green houses, manufactories and warehouses, libraries, rooms for drying timber, &c., and every variety of purpose for which artificial heat is required. Within the last twenty years many hundreds of buildings have been heated upon this plan, and the parties to whom they were executed are constantly expressing their satisfaction, also their willingness to vouch for their efficiency.

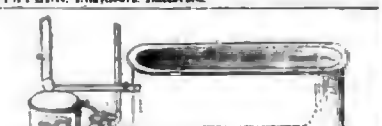
BENJAMIN FOWLER, late of 61, Dorset street, removed to the new factory, Whitefriars-street, Fleet-street.

WARMING BY HOT WATER.—J. WEEKS and CO.'s HOT WATER APPARATUS may be seen in extensive operation on their premises, King's road, Chelsea. They have also erected their apparatus for various purposes throughout the kingdom; references can be given in almost every district. They beg particularly to refer to their own establishment, and also to that of Mr. Stockton's extensive carriage repository, Halkin-street, Hyde-park-corner, where the apparatus may be seen in operation. Ornamental Pedestals and stacks of Pipes in great variety, applicable for warming churches, mansions, entrance halls, offices, conservatories, &c.—TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any as introduced.—J. WEEKS and CO., Hot Water Apparatus Manufacturers, King's-road, Chelsea.

WARMING AND VENTILATION.—D. and F. BAILEY, 272, Holborn, having had many years' experience in Warming Buildings by Hot Water, continue to erect HOT-WATER APPARATUS on the most improved principles for Mansions, Conservatories, and other Horticultural Buildings; and they also erect Conservatories, Hothouses, &c., in wood or metal. D. and F. BAILEY invite the public to an inspection of their stock of Stoves, Fenders, Fire irons, &c., as well as a most complete and economical Portable Cooking Apparatus, or "Cottager's Stove," equally suitable for Cottage, Shooting-box, Harbour, or for purposes of emigration.

Dr. Arnott's Ventilating Valve.

WARMING and VENTILATING.—Churches, Conservatories, Hot-houses, &c., heated by superior HOT-WATER apparatus, fitted with most efficient and simple boilers, self-feeding through the day, and requiring no fresh work. Also the THERMAUTERION, a simple and improved Warm-air Apparatus, that is especially adapted for building, requiring to be warmed only occasionally.—Apply to SPILLER and TAYLER, Engineers, Battersea.



BATHS.—J. TYLOR and SON'S REGISTERED APPARATUS, consisting of Copper or Galvanised Iron Bath (Japanned in imitation of wood or marble), fitted in Frame complete, with Copper Circulating Boiler and Cock with Index plate for the supply and waste water. This apparatus is complete in itself, and can be fixed without the assistance of artificial power or carpenter. A warm bath can be ready for use in less than half an hour, at the cost of 3d. for fuel. Price 10 guineas.—Apply to the Ironmongers and Plumbers, or the manufacturers, J. TYLOR and SON, Warwick lane, London.

CAST-IRON PIPES, IRON WORK FOR OVENS, &c.

RAIN PIPES, &c.—F. A. TIDDEMAN and Co., St. Ann's Wharf, East street, Chtr., near Black Friars-bridge, keeps a large stock of Rain Pipes, Heads, Shoes, Elbows, &c., half round and O G. Gutters, Socket Pipes for Water or Gas, Planch Pipes, Sash Weights, and other Castings; Iron Work for Bakers' Ovens of every description, fitted complete, or be had in sets or in parts.—Prices equal to all competition. Contracts taken to any extent. Goods landed. A powerful crane.

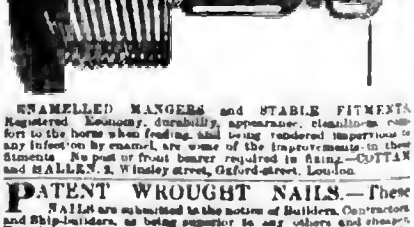
TO BUILDERS, IRONMONGERS, AND OTHERS.

RAIN-WATER PIPES, O G and Half-round Gutters, Sash-Weights, Rolling Bars, Air Bricks &c. J. JONES, Iron Merchant, Iron-bridge Wharf, No. 8, Pancras, has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, or drainage; bends, syphons, flange and hot-water pipes, with all the usual connections, lamp-posts and rosetts, stable fittings, troughs, &c. &c.

Prices will be forwarded on application, which will be cheaper than any other houses in London.

J. JONES, IRON MERCHANT, IRON-BRIDGE WHARF, No. 8, PANCRAS-ROAD, LONDON, near the Southwark Iron Bridge.

PRIZE MEDAL of the Great Exhibition. CUTTAN and HALLEN, 2, Winsley-street, Oxford-street, London.



ENAMELLED MANGERS and STABLE FITMENTS, Registered. Economy, durability, appearance, cleanliness, comfort to the horse when feeding, and being rendered impervious to any infection by enamel, are some of the improvements in these fitments. No pest or fruit bearer required in fixing.—CUTTAN and HALLEN, 2, Winsley street, Oxford-street, London.

PATENT WROUGHT NAILS.—These NAILS are submitted to the notice of Builders, Contractors, and Ship-builders, as being superior to any others and cheaper. They have the toughness of the best hand-made nails with the greater uniformity of make. The flat-pointed rose nails are particularly recommended wherever oak or other hard wood is used, being perfectly round pointed, they require no boring, and will drive into the hardest wood without splitting it, and their heads being very strong do not fly off. The patent wrought nails may be had of all Ironmongers. A stock of them is kept at the warehouse of the agents, HIGGS and GEORGE, Wholesale Ironmongers, 179, Borough, London.